

MONTHLY MEETING

Friday November 18, 2016

Our Saviors Lutheran Church

1035 Carol Lane, Lafayette

HOLIDAY PARTY & DINNER

Friday December 2, 2016

Zio Fraedo's Restaurant

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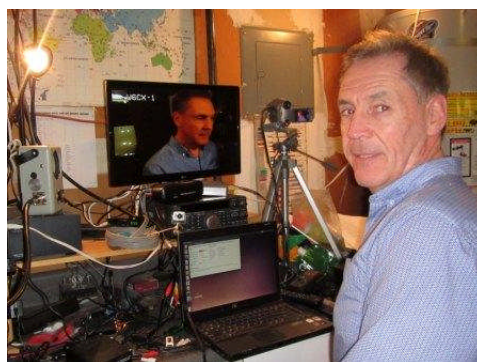
SEASONS GREETINGS!



THIS MONTH'S PROGRAM

DIGITAL TELEVISION

by Eoin O'Donoghue, KK6Q



Join us Friday night November 18, 2016 back at our regular meeting location at Our Saviors Lutheran Church in Lafayette. Club member Eoin O'Donoghue, KK6Q, will present a program on our club's digital amateur television repeater and how to operate

and experience this fascinating mode.

**CLUB ELECTION BALLOT BELOW.
VOTE BY 7:45pm AT THIS MONTH'S
MEETING NOVEMBER 18**

Office	Candidate (Vote for One)	"X"
President	Mike Patterson, N6JGA *	
Vice President	Larry Bradley, KK6QPE	
Secretary	Dick Fletcher, AF9RF *	
Treasurer	Cathi Walton, KJ6YNO *	
Emergency Coordinator	Ron Bunch, W4FEK *	
Director	Candidates (Vote for Two)	
	Terry Buxton, KK6KGX	
	Janice Fujii, KG6VTD *	

*denotes incumbent

Moment of Silence for Joel Nadler, NN6J

Fellow MDARC member, Joel Nadler (NN6J), passed away on Friday, October 14, 2016. Joel is survived by his wife Michelle, her two children and Joel's two children. Joel was the Vice-Chair for Pacificon 2016 and for many years previously, had been the Vendor Coordinator for Pacificon. He was also a Board member of NARCC (Northern Amateur Relay Council of CA).

A Remembrance Service will be held at 11:00 AM on Sunday, November 20, 2016 at:

Valle Vista Mobile Home Park Clubhouse
207 Arboleda Dr.
Santa Rosa, CA 95401



When you purchase at Amazon dot com smile, a portion of your purchase is donated to our club.

Go to:

<https://smile.amazon.com/ch/23-7072059>

ALL MEMBERS ARE INVITED TO JOIN THE CLUB YAHOO GROUP. DOWNLOAD FILES, INCLUDING *THE CARRIER* IN **FULL COLOR** AS WELL AS SHARE INFORMATION WITH THE MEMBERSHIP AT:

<http://groups.yahoo.com/group/mdarc>

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Mike Patterson, N6JGA
Vice President - Will Dickson, WB6YGI
Secretary - Dick Fletcher, AF9RF
Treasurer - Cathi Walton, KJ6YNO

Technical Committee Chair
Jim Siemons, AF6PU

Directors At Large
Trevor Hall, WA6JAU Mitchell Boyce, W8DOD
Janice Fujii, KG6VTD Francis O'Leary, KF6FRJ

Emergency Coordinator - Ron Bunch, W4FEK

PACIFICON 2016

Chair: Misa Siemons, KJ6BUE
Registration: Tom Deeble, KA6SIP & Debbie Deeble
Treasurer: Jim Siemons, AF6PU
Secretary: Pete Harris, KE6ZIW
Web Page: Mike Patterson, N6JGA

Membership Chair - Tom Deeble, KA6SIP
mdarcmembership@mdarc.org

Website - David Schild, KK6CQX
Repeater Trustee - Jay Caldis, KT6Y
Education & Training Chair - John Primus, AF6RJ
License Testing - Larry Loomer, KI6LNB
Public Service - Pete Harris, KE6ZIW
Outreach Coordinator - Jim Siemons, AF6PU
Field Day Chair - Larry Loomer, KI6LNB
Refreshments: Elizabeth Styles, KG6HLV
Holiday Party - Misa Siemons, KJ6BUE
Trailer - Patrick Miller, KK6DBX
Vehicle - Lauren Styles, WA6CIE

***The Carrier* Newsletter**

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PRESIDENT'S QTC

MDARC Family,

I don't know how they do it, but every year, our Pacificon Committee puts on a conference that just gets better and better. Even though we increased the size of some rooms, almost every forum was full. The Antenna Seminar on Friday was full. There were one-day license classes on both Friday and Saturday for the first time ever, and both were full. The vendor halls were full. The Kit Building area wasn't just full, it was jammed. New displays and events. New vendors. New speakers and forum topics. Practically everyone involved was exceptionally happy: the vendors, attendees, the Pacificon staff all felt it was the best ever. Even the hotel staff thought it was a great weekend.

Our Pacificon Chair, Misa Siemons, KJ6BUE, and her staff have set a high standard for next year. But it's clear they'll meet the challenge. They've already set a theme for next year's conference and started planning. If you'd like to get involved, contact Misa.

And speaking of Misa, she also chairs our Holiday Party Committee. And the Party is coming up on December 2 this year. It will be at the same place as last year, Zio Fraedo's Restaurant in Pleasant Hill. We go back there each year because the food and service is exceptional, and it's at an affordable price. Plus, you can't beat the company we keep. I'd love to see all of you there. Registration deadline is November 25th. See <http://www.mdarc.org/activities/holiday-party> for details and to register. Also, remember the banquet replaces our December Club meeting. There will not be a regular Club meeting on the 3rd Friday, Dec. 16.

The Club General meeting coming up this Friday is the most important one we have every year. If you can attend only one meeting this year, make it this one. The November meeting is when we elect our club's officers and the rest of the Board of Directors. You should have received a ballot by email a little over two weeks ago. With it, you can vote by email by following the instructions in the note. If you did not receive the email, paper ballots will be available at the meeting. Whether by email or in person, please be sure to vote.

Also at this meeting, a proposed bylaws amendment will be presented to the membership for approval. Currently, our bylaws do not provide for members to attend meetings electronically; for example, by telephone or conference call. We're required to follow Robert's Rules or Order, which says that electronic meetings cannot be conducted unless they're specifically allowed in the bylaws. This amendment will allow us to have electronic meetings.

The need for this amendment became apparent recently when the Club was presented with the opportunity to receive the Electronic News Gathering van from KGO-TV. A decision by the Board was needed quickly, well before the next scheduled Board meeting. We were able to work around it this time, but may not next time. Please study the proposed amendment, located elsewhere in this *Carrier*, and come to the meeting prepared to vote on it. If you have questions, let me know.

Remember too, that the Salvation Army hosts their annual frozen turkey drive every November to provide Thanksgiving Dinners for those in need. Traditionally, our club has provided a significant percentage of the turkeys donated to the Concord Corps. Let's keep up that tradition. Bring a frozen turkey to the club meeting this Friday to donate to the Salvation Army. The Army and the people they help will very much appreciate your generosity.

Another thing happening Friday evening is the first meeting of the reorganized Vehicle Committee, with Lauren Styles as the chair. Our new van will be in the parking lot by 6:00 pm for people to get a good look at. The Committee will meet at 6:30 to begin the planning for the many details that have to be worked out for both the van and our trailer. If you'd like to be involved in fitting out the new van, come early and join the committee meeting.

Of course, we mustn't forget the highlight of the evening; our speaker. Eoin O'Donoghue, KK6Q, will be there to show us the MDARC DATV Experience that's Waiting for You. Our Club ATV system is growing and improving, and Eoin will tell us all about it. See our Speakers page at <http://www.mdarc.org/activities/club-meetings/speakers> for details.

(CONTINUED ON FOLLOWING PAGE)

In fact, our Technical Committee, under the flawless leadership of Jim Siemons, AF6PU, is working with other groups in Northern California to link our ATV system with theirs. Not only will this substantially expand the effective coverage of our system (and theirs), it will also greatly expand the potential content that we transmit. DATV is getting exciting.

We're also happy to report that all Mt. Diablo systems are back in operation, including the 220 and 440 machines that were disabled by the site manager during a tower reconfiguration a couple of weeks ago.

Another busy and exciting year is winding down, but the club has a lot of fun coming next year. Building out our new van, remodeling the trailer, public service events, the annual auction, Field Day, Pacificon, training classes, digital ATV and our other systems, helping new hams join our hobby and much more. Don't miss out. Get involved. If you're not sure what you can or want to do, talk to me or any of our committee leaders. We'll be happy to help you find something that works for all of us.

I hope to see you at the Holiday Party and Banquet, and I hope your holidays are happy.

73 until 2017.

Mike Patterson, N6JGA
President



Roger Cunningham, KC2YOT*

Doug Hendricks, KI6DS*

David Mitchell, N5PSM

Nancy Mitchell, KB5LCR

Ralph Stocki, KJ6PIK*

***Joined at PACIFICON 2016**



Mt. Diablo Amateur Radio Club Proposed Amendment to the Bylaws

At the November meeting of the Board of Directors, the following proposed amendment was approved for presentation to, and approval by, the Club membership. This proposal would add a new Section 5 to Article III of the bylaws; to allow, but not require, meetings of the Board, membership or any committee to be conducted partially or fully by electronic means. This will allow, for example, persons to call in on a teleconference line and be considered in full attendance for establishing a quorum and for voting.

ARTICLE III

Section 5 ELECTRONIC MEETINGS

1. For the purposes of this Section, "Electronic Meeting" shall be defined as a meeting in which one or more participants are not physically present in one room or area; rather they communicate with the other participants via electronic means, such as the internet or telephone. Such meetings must provide, at a minimum, for simultaneous two-way voice communication among all participants.
2. Electronic Meetings shall not require the use of special equipment or software available only to certain persons or requiring financial expenditure by the attendees to use.
3. Notices of Electronic Meetings must include an adequate description of how to participate; such as a telephone number for teleconferences, web address for web conferences, password or meeting ID for all methods, etc.
4. Persons unable to be physically present at a Regular or Special Meeting of the Membership, Board of Directors or any committee may, at the discretion of the meeting's chair, attend via electronic means as described in item 1 above. Such persons shall be considered to be in attendance for the purposes of a quorum and for voting.
5. Should business arise for the Board of Directors or any committee that requires action prior to the next Regular meeting of that body, the chair may call and conduct a Special Meeting as an Electronic Meeting. Such Special Electronic Meetings shall allow, but not require, a central location for participants to attend in person. All attendees shall be considered to be in attendance for the purposes of a quorum and for voting.
6. Electronic Meetings may be conducted at the discretion of the meeting's chair. Nothing in this Section shall be construed as to require that any meeting of the Membership, Board of Directors or any committee be provided with the facilities for an Electronic Meeting, or that any attendee has the right to attend any meeting by electronic means.



**YOU ARE INVITED TO ATTEND THE ANNUAL
MDARC Holiday Party & Awards Dinner**

Friday, December 2, 2016

5:00 PM to 10:00 PM

**Zio Fraedo's Restaurant
611 Gregory Lane
Pleasant Hill, 94523**

5:00 – 6:30 PM ❄ NO-HOST Bar & Appetizers

6:30 PM ❄ Dinner

7:15 PM ❄ Awards Presentation

10:00 PM ❄ Party Ends

\$53.00 Per Person

**Steak
Salmon
Chicken
Vegetarian**

**Make On-Line reservations by
12 Noon Friday, November 25th.**

REGISTER AT THIS LINK:

[https://events.r20.constantcontact.com/register/eventReg?
oeidk=a07edf7fi61a22d9606&oseq=&c=a4193d00-79f6-11e3-a06f-
d4ae5275b1a5&ch=a514db10-79f6-11e3-a173-d4ae5275b1a5](https://events.r20.constantcontact.com/register/eventReg?oeidk=a07edf7fi61a22d9606&oseq=&c=a4193d00-79f6-11e3-a06f-d4ae5275b1a5&ch=a514db10-79f6-11e3-a173-d4ae5275b1a5)

Please call Misa Siemons at (925) 876-6611.

Check payments must be received by Friday, November 25th.

Make check payable to MDARC & mail to:

**MDARC
2308 Lomond Lane
Walnut Creek, CA 94598**

	MDARC Financial Analysis 2016 - 2018		
	OVERVIEW Page		
	Projected	2017 Projected	2018 Projected
Description	2016 Actuals	Year End	Year End
<u>Projected Assets</u>			
Checking Account Balance	32,152	14,417	2,559
Equipment Self-Insurance Fund	55,332	56,048	56,764
Pacificon Account	20,000	20,000	20,000
Total Assets	107,484	90,465	79,323
<u>Worst-Case Disaster Potential Costs</u>			
South Peak Equipment Replacement	34,000	34,000	34,000
North Peak Equipment Replacement	12,500	12,500	12,500
Equipment Relocation Expense	5,000	5,000	5,000
Projectors Replacement	8,500	8,500	8,500
Other Radio Equipment Replacement	7,000	7,000	7,000
North/South Peak Contract Obligation	0	0	0
Equipment Relocation Expense	5,000	5,000	5,000
Trailer/Van Replacement	5,000	15,000	18,000
Min Pacificon 2017 Cancellation Fee	48,000	48,000	0
Min Pacificon 2018 Cancellation Fee	27,000	27,000	48,000
Total Potential Costs	152,000	162,000	138,000
Worst-Case Scenario Potential Deficit	-44,516	-71,535	-58,677
Note:			
Maximum Pacificon Exposure		112,721	65,147

MDARC Financial Analysis 2016 - 2018				
Multi-Year Budget Projection - Page 1				
		Projected	Projected	Projected
Description	2016 Budget	2016 Actuals	2017 Budget	2018 Budget
<u>Income</u>				
Donations	100	250	100	100
Scholarships	0	0	0	0
Bank Interest	18	18	18	20
Holiday Banquet	3,575	3,575	3,900	4,200
Auction	800	4,849	800	800
Book Sales	0	0	0	0
Food Sales	50	40	40	40
Newsletter & Membership directory	150	375	350	350
License Testing	100	225	200	200
Merchandise Sales	50	0	0	0
Education Dept. Income	200	310	250	250
Miscellaneous Revenue	0	0	0	0
Raffles	400	500	400	400
Membership Dues	10,000	11,653	10,500	10,500
PACIFICON Surplus to MDARC	21,770	21,770	10,000	10,000
Total Income	37,213	43,565	26,558	26,860
<u>Expense</u>				
Auction Committee				
Expenses to run auction	50	34	0	0
Auction payout	0	141	0	0
Total	50	175	0	0
Digital Media Committee				
	100	0	1,000	1,000
Education Expenses				
	300	338	225	475
EmComm Expenses				
	300	0	300	300
Field Day				
BBQ/food expense	300	341	500	500
Site Rental	175	175	200	200
Toilet Rental	425	398	425	450
Total	900	914	1,125	1,250
Holiday Banquet				
Decorations	145	145	150	150
Gifts	80	80	100	100
Meal Cost	3,250	3,250	3,650	3,950
Total	3,475	3,475	3,900	4,200
Meeting Expenses				
Meeting Place	1,000	1,000	1,000	1,000
Vice President Expenses	50	0	50	50
Food purchases for meetings	100	0	100	100
Presentation expenses	200	0	200	200
Raffle Expenses	45	45	45	45
Field Trips	0	0	0	0
Total	1,395	1,045	1,395	1,395

	Multi-Year Budget Projection - Page 2			
Membership Department				
Misc printing/postage/etc	265	100	110	120
Printing/Mailing the Carrier	145	380	400	400
Printing member directory for sale	26	0	0	0
Total	436	480	500	500
Outreach				
Awards	300	300	300	300
Badges and Apparel	0	0	200	300
Books, Subscriptions	0	0	0	0
Donations	1,000	500	500	500
Printing/Copying	0	0	200	200
Marketing	200	85	200	300
Scholarships	0	0	1,000	1,000
Telephone, Telecommunications	0	0	0	0
Total	1,500	885	1,000	1,000
Repeater Operations				
Association Dues	20	20	20	20
Internet Service	960	1,180	2,160	2,200
Labor	5,000	0	5,000	5,000
License Renewal	0	0	0	0
Parts Purchase	500	827	1,000	1,000
Repeater Phone Service	516	132	0	0
Site Rental				
North Peak	1,800	1,800	1,800	2,000
South Peak	9,444	9,468	9,762	10,068
Total	18,240	13,427	19,742	20,288
Storage	840	810	2,400	2,400
Treasurer's Expenses				
Accounting Fees	600	580	600	750
Bank Fees	0	23	0	25
Businesss Fees	80	60	80	80
Equipment Acquisition Reserve	700	700	700	700
Liability Insurance	850	300	350	400
Misc Expenses	110	53	150	100
PO Box Rental	132	134	136	140
Total	2,472	1,850	2,016	2,195
Vehicle Committee Expenses				
Trailer/Van Upgrade	0	0	5,000	1,500
Van Registration & Insurance	0	355	690	715
Van Maintenance	0	975	5,000	1,500
Van Parking	0	300	1,800	1,800
Total	0	1,630	10,690	3,715
Total Expenses	30,008	25,029	44,293	38,718
Total Income	37,213	43,565	26,558	26,860
Balance	7,205	18,536	-17,735	-11,858
Checking Acct Beginning Balance	13,616	13,616	32,152	14,417
Checking Acct Ending Balance		32,152	14,417	2,559
Equipment Self-Insurance Fund		55,332	56,048	56,764

The first 2017 Technician License Class Starts January 12th, 2017 at 6:30 pm. Please bookmark the link below for the years training schedule.

<http://www.mdarc.org/activities/education/Classes-2016>

Class sessions normally begin at 7:00 pm sharp and end by 9:00 pm. The first class session of each License Class begins 1/2 hour earlier 6:30 pm to provide for registration, manual & materials distribution and other administrative necessities. *Please share with your friends interested in earning their Technician Licence or upgrading to General. For More details and Registration email: HamRadioClass@gmail.com* The Extra License classes are scheduled during even years with the next Extra Class starting in August 2018. Class Location is the Salvation Army Concord Corps, Fireside Room, 3950 Clayton Rd., Concord CA 94521 (Cross of West Street)

Technician License Class (1st License)	Jan. 12 - Feb. 23, 2017 (7 sessions)
License Testing	March 2, 2017
Get On The Air (GOTA)	March 9, 2017
<i>Amateur Radio Communications Explained</i>	
Get On The Air (GOTA)	March 16, 2017
<i>Amateur Radio Communications Practiced</i>	
 General License Class (Upgrade)	 Mar. 30 - May 18, 2017 (8 sessions)
License Testing	May 25, 2017
Get On The Air (GOTA)	June 1, 2017
<i>HF Communications</i>	
 Auxiliary or EmComm Training (<i>Topic TBA</i>)	 June 8, 2017
Auxiliary or EmComm Training (<i>Topic TBA</i>)	June 15, 2017
Auxiliary or EmComm Training (<i>Topic TBA</i>)	June 22, 2017
 Salvation Army Church Camp Break (No Classes)	 June 29 – July 27 2017
 Technician License Class (1st License)	 Aug. 4 - Sept. 28, 2017 (7 sessions)
License Testing	Oct 5, 2017
Get On The Air (GOTA)	Oct. 12, 2017
<i>Amateur Radio Communications Explained</i>	
Get On The Air (GOTA)	Oct. 19, 2017
<i>Amateur Radio Communications Practiced</i>	
 Auxiliary or EmComm Training (<i>Topic TBA</i>)	 Oct. 26, 2017
Auxiliary or EmComm Training (<i>Topic TBA</i>)	Nov. 2, 2017
 Annual Instructor Team Meeting	 Nov. 9, 2017

You must register so email: HamRadioClass@gmail.com so we can have the correct number of books to start the class and send you the weekly study assignments.

Salvation Army Holiday Turkey Drive

For several years we have collected frozen turkeys at the November MDARC meeting for the Salvation Army. In November 2015 we collected enough turkeys and cash to purchase additional turkeys to provide 35 12 to 15 pound turkeys and deliver them to the Salvation Army Concord Corps freezer boxes the same night (this was approximately 5% of the total frozen turkeys needed for the Thanksgiving and Christmas holiday season). I am hoping we can provide the same number of turkeys this year.

The Salvation Army has been generous to MDARC over the years by providing us with storage for trailer, a meeting room for the monthly Pacifcon Committee planning meetings, 35 + Thursday nights use of the fellowship hall to put on our ham classes. MDARC helps the Salvation Army by cleaning up the Canteen and Trailer storage area a couple of times a year, helps SATERN by providing assistance with the Radio Room, and allows SATERN to use the club repeater for its regular Monday Night Net and by Providing frozen turkeys at the November meeting.

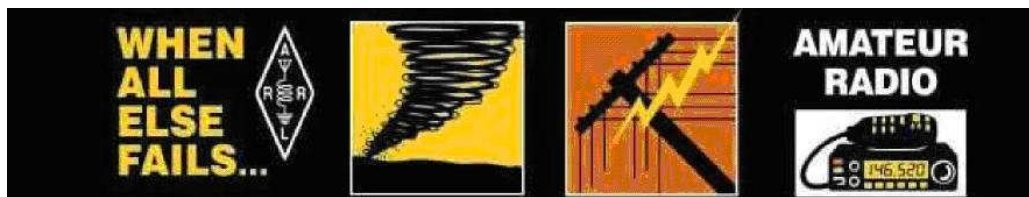
If you cannot bring a turkey to the November meeting but would still like to assist please contact me at WA6CIE.HAM@GMAIL.COM.

73's Lauren WA6CIE

Vehicle Committee Meeting Friday November 18, 2016 6:30 PM

MDARC has established a committee to be responsible for the TV News van that was recently donated to us by KGO and for the MDARC trailer. We will be having a meeting of this committee in our meeting hall, on Nov 18 at 6:30 PM (before the regular club meeting) and discussing potential uses / equipment requirements & wish lists for both vehicles / and start working on costs equip the van & rehab the trailer. There has already been some radio equipment donated for the Van and plans to rehab the trailer have been submitted to me by a by club members that would like to rework the trailer. Everyone is welcome to attend this meeting and make suggestions. Note that the Van will be at the club meeting.

73's Lauren WA6CIE, Vehicle Committee Chairman



Bell Ringing for The Salvation Army

Each year MDARC & SATERN hams spend a couple of hours ringing the bell at a Salvation Army Kettle. This can be a fun family event (including children) or for individuals who want to assist in raising money for Concord Salvation Army Food Pantry, Youth Summer Camps, Emergency Disaster Services, and other programs that run year round to assist people in need. We will be ringing at Walmart Martinez on Saturday Dec 10 (currently scheduled date). We are asking for people to ring for a 2 hour shift. Last year The Salvation Army provided MDARC with 2 red aprons and Misa Siemons embroidered them with VOLUNTEER HAM RADIO OPERATORS RINGING THE BELL FOR THE SALVATION ARMY which we will be using again this year. See the photo of Ruth Miller, KE6VOO ringing in 2015.

Please contact me at WA6CIE.SATERN@GMAIL.COM if you would like to ring the bell. If you cannot do it on Dec 10 also contact me with your available times and we will arrange a location/time for you.



Board of Directors **Meeting Minutes (Amended)**

Date: November 7, 2016 Time: 1900 Hours (7:01 PM)

Presided over by: President, Mike Patterson, N6JGA

Recorded by: Richard Fletcher, AF9RF, Secretary

Corrections - Tim Barrett's open house was November 12th.

The ARRL meeting is with ARRL Pacific Division Cabinet on December 3d and the members attending are President Mike Patterson and Trevor Hall.

My apologies

The meeting was held at the Black Bear Diner 700 Bancroft Rd. Walnut Creek, Ca. And was called to order at 7:01 PM

The additional following members were in attendance:

Will Dickson, WB6YGJ, Ron Bunch, W4FEK, Trevor Hall, WA6JAU, Cathi Walton, WA6YNO, Jim Seimons, AF6PU
Misa Seimons, KJ6BUE, John Primus, AF6RJ, Mitchell Boyce, W8DOD, Frank O'Leary, KF6FIO, Larry Bradley, KK6QPE

The Vice President reported that the program for the November meeting will be Eoin O'Donahue, presenting a program about digital TV.

The program for January will be Mike Paquette presenting "Antenna basics."

February will bring on Chris Wilson with "Yaesu system fusion"

The minutes from the previous meeting were approved. No general meeting was held in October due to Pacificon.

A note was received from Tim Barrett K6BIV that an open house will be held on December 3d on the occasion of the passing of his wife.

It was announced that some club members will be attending a meeting with the ARRL officers from the Pacific region and national headquarters.

The club treasurer handed out copies of the monthly budget and a discussion ensued. It was noted that the Total Account Balances for the month was \$139,970.62.

Misa Siemons, KJ6BUE reported on the recent Pacificon event as being amply funded and was a success.

The financial aspects of owning and operating the ex-KGO communications van were discussed in depth. After a detailed discussion there was a motion and it was approved to fund the agreed upon expenses. They entailed storage space, maintenance and the usual consumables.

The education and training chair reported that out of 18 Extra class members 10 took the Extra Class test and 8 students achieved their goal.

Misa Seimons also reported that the Holiday banquet will be at Zio Fraedo's and that the fee is \$53 this year. The room will be open at 5:00 PM.

There was a reminder that there will be the yearly election of officers at the November meeting. The candidates have already been published.

The tech committee reported that progress on reinstalling the 220Mhz antenna on the hill is being made.

A detailed description of the new (to us) van was discussed and there resulted in a motion that was approved to purchase three new tires.

The president described in detail his wish to move to change the club bylaws to allow official club meetings to take place over electronic media, telephone or any other media that provides the equivalent quality reproduction. A motion ensued and was approved by the board.

The meeting was adjourned at 9:10 PM
Respectfully submitted by Richard Fletcher, AF9RF.Secretary

LICENSE TESTING REPORT

On the Pacificon weekend, including the Salvation Army Extra class on Thursday, the MDARC testing team tested 69 candidates.

We have 19 new Technicians, 18 new Generals and 14 new Extras.

VE help also came from the Benicia Amateur Radio Club and from a VE from San Jacinto, CA.

We had a busy weekend and have the satisfaction of upgrading a lot of great hams. Thank you to all of the VEs that participated in this service to our fellow hams.

73,

Larry, KI6LNB



PACIFICON 16 M D A R C
SAN RAMON CA
 AMATEUR RADIO CONVENTION

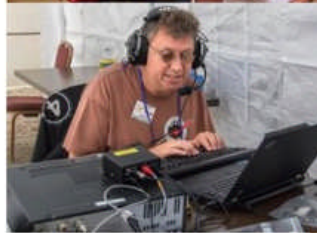
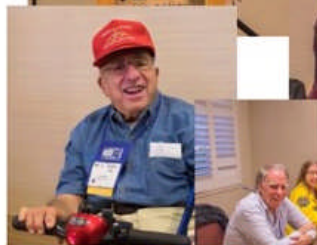
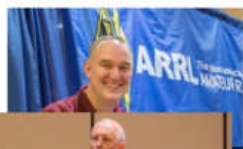


Antenna Seminar Schedule

Time	Topic	Speaker
8:00 - 9:00	Antenna Modeling for Radio Amateurs How antenna modeling programs work, What their limitations are, What is the state of the art.	Steve Brown, K2CIB
9:00 - 10:00	Principles of Directional Antennas	Paul Zander, AA9D
10:00 - 11:00	RF and Antennas in Magnetics	Steve
11:00 - 12:00	Elevation Angle Control, Polar Cycle Update	David B.
12:00 - 1:00	Project Ready	Steve
1:00 - 2:00	Making a Home Brew a Bit Automatic	Steve



Welcome to Ham Radio 101
 New Tech Session
 Sponsored by Bay-Net www.bay-net.org



Photos by Pete Harris, KE6ZIW
 Montage by Misa Siemons, KJ6BUE
 MARK YOUR CALENDARS FOR NEXT YEAR!
 PACIFICON, OCTOBER 20-22, 2017
 AT THE SAN RAMON MARRIOTT, SAN RAMON, CA

More photos at this link:

<https://www.flickr.com/photos/11636522@N06/albums/72157675670539685>



*Thanks to our Uniformed Services Veterans for
Serving and Protecting the United States of America*

HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM



IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



KENWOOD



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



TM-D710G | 2M/440 Dualband

- V-V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



YAESU
The radio



FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- FAX - All store locations
- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

ANAHEIM, CA
(800) 854-6046

OAKLAND, CA
(877) 892-1745

SUNNYVALE, CA
(877) 892-1749

PORTLAND, OR
(800) 765-4267

PHOENIX, AZ
(800) 559-7388

WOODBIDGE, VA
(800) 444-4799

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(877) 455-8750

BURBANK, CA
(877) 892-1748

SAN DIEGO, CA
(877) 520-9623

NEW CASTLE, DE
(800) 644-4476

DENVER, CO
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ATLANTA, GA
(800) 444-7927

SALEM, NH
(800) 444-0047

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WWW.HAMRADIO.COM

New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



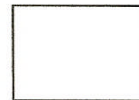
The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

www.mdarc.org



FIRST CLASS

December 2, 2016 HOLIDAY PARTY AND AWARDS DINNER!



Affiliated
Club

<https://www.facebook.com/mdarc.org>

W6CX Nets

Monday 7:00 pm Washington High School Net 147.060+

Monday 8:00 pm SATERN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

FM 147.060 MHz + / PL 100Hz - EchoLink: W6CX-R /133896, IRLP: 3057
224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/> Digital ATV Output 1244.500

Digital ATV Input 1292.500

ATV Inputs: 1289.25 MHz AM; 1270.000 FM pl 192.8 915.0 AM 427.0 AM

ATV Internet Stream: <http://www.w6cxatv.net/live>

Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 146.355+ (77.0 PL)

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735+ (107.2 PL)

or 145.410 -- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

November 2016 and December 2016 Club Calendar

Friday November 18, 2016	7:30pm	MDARC General Meeting - Our Saviors Lutheran Church 1035 Carol Lane, Lafayette
Friday December 2, 2016	6:30pm	MDARC HOLIDAY PARTY AND AWARDS DINNER ! Zio Fraedo's Restaurant, 611 Gregory Lane, Pleasant Hill
Saturday December 3, 2016	8:00 am	MDARC Technical Committee Environmental Center, 2581 Harbor Street, Pittsburg
Monday December 5, 2016	7:30pm	MDARC Board Meeting Black Bear Restaurant, 700 Bancroft Avenue, Walnut Creek